

Amendments to the Specification:

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[0002] Creation and maintenance of proper test cases that provide adequate coverage and effectiveness in terms of uncovering bugs is a very challenging and resource intensive activity. The current approaches to test case management do not ensure reusability and maintainability of test cases. This results in repeating cycles of ~~recreation~~ creation of test cases from version to version, environment to environment and platform to platform.

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[0010] All enterprise applications have functionality that is repeated in many different contexts. The ability to created test cases in a modular fashion improves their reusability. The test cases for the same functionality may be reused in an any test scenarios that uses the same functionality. Most scripting environments provide modularity through support of procedures. Such procedural abstractions are limited in their ability because the test cases not only encompass the procedural abstraction but also the data abstraction. Appropriate abstractions within the test case

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[0019] These and other objects of the present invention are achieved in a method for transforming test cases that imports test cases written in one or more scripting languages. Test cases are converted to an abstract representation that includes an application state, external interaction sequences and input data. Abstract ~~representation~~ representations of test cases is stored in a database system.

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[0050] In one embodiment of the present invention, generation of test case 212 includes composing the test case 212 as dictated by the input data set 222 220 for a test case 212. Multiple datasets 230 can be provided for at least a portion, or all, of the input data set 220 for a test case 212. This results in a generation of multiple test cases 212 or external interaction sequences repeated within a loop control structure for each dataset 230. Use of multiple datasets 230, for a portion of the input data 220, results in the interaction sequences corresponding to this portion of input data repeated within loop control structure such as a while loop.